

Refine Search

Search Results -

Terms	Documents
L1.clm.	7

Database:

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US Patents Full-Text Database
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Derwent World Patents Index
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Search:

L2

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Search History

DATE: Wednesday, March 08, 2006 [Printable Copy](#) [Create Case](#)

Set Name Query

side by side

*DB=PGPB; PLUR=YES; OP=OR*L2 L1.clm.L1 count\$3 near10 (interrupt near3 type)

Hit Count Set Name

result set

7 L242 L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
count\$3 near10 (interrupt near3 type)	141

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Set Name Query
side by side

Hit Count Set Name
result set

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L1 count\$3 near10 (interrupt near3 type) 141 L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
count\$3 near10 (interrupt near3 type)	7

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L2

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Set Name Query

side by side

Hit Count Set Name

result set

DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L2 count\$3 near10 (interrupt near3 type) 7 L2

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L1 count\$3 near10 (interrupt near3 type) 141 L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L1 and L3	24

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L4

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Set Name Query

side by side

Hit Count Set Name
result set

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L4 11 and L3

24 L4

L3 710/260-266,48,55;711/202-208;340/825.65;718/107.ccls.

6384 L3

DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR

L2 count\$3 near10 (interrupt near3 type)

7 L2

DB=PGPB,USPT,USOC; PLUR=YES; OP=OR

L1 count\$3 near10 (interrupt near3 type)

141 L1

END OF SEARCH HISTORY

EAST - [Untitled1:1]

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- ☐ Drafts
- ☐ Pending
- ☒ Active
 - ☒ L1: (90) count\$3 near10
 - ☒ L2: (70) l1 and ((stor\$3 or sav\$3) near5 count\$3)
 - ☒ L3: (8) l1 same ((stor\$3 or sav\$3) near5 count\$3)
- ☐ Failed
- ☐ Saved
- ☐ Favorites
- ☐ Tagged (0)
- ☐ UDC
- ☐ Queue
- ☐ Trash

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DEs USPAT

Default operator: OR

☒ Plurals

☒ Highlight all hit terms initially

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	Type	L #	Hits	Search Text	DEs	Time Stamp	Comment	Error	Definit	Er
1	BRS	L1	90	count\$3 near10	USPA	2006/03/08 13:07				
2	BRS	L2	70	l1 and ((stor\$3 or sav\$3) near5 count\$3)	USPA	2006/03/08 13:08				
3	BRS	L3	8	l1 same ((stor\$3 or sav\$3) near5 count\$3)	USPA	2006/03/08 13:09				



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* Key

IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

- ☐ 1. **Digital mobile communication system designed for nationwide police activities-WIDE system**
Inoue, R.;
[Security Technology, 1996, 30th Annual 1996 International Carnahan Conference](#)
2-4 Oct. 1996 Page(s):33 - 36
Digital Object Identifier 10.1109/CCST.1996.551839
[AbstractPlus](#) | Full Text: [PDF](#)(288 KB) IEEE CNF
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- ☐ 2. **Network based on SOM (Self-Organizing-Map) modules combined with statistical decision tools**
Graupe, D.; Kordylewski, H.;
[Circuits and Systems, 1996, IEEE 39th Midwest symposium on](#)
Volume 1, 18-21 Aug. 1996 Page(s):471 - 474 vol.1
Digital Object Identifier 10.1109/MWSCAS.1996.594203
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Network based on SOM (Self-Organizing-Map) modules combined with statistical decision tools

Graupe, D. Kordjivskid, H.
Dept. of Electr. Eng. & Comput. Sci., Illinois Univ., Chicago, IL, USA;

This paper appears in: Circuits and Systems, 1996., IEEE 39th Midwest symposium on
Publication Date: 18-21 Aug. 1996
Volume: 1

On page(s): 471 - 474 vol.1
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Meeting Date: 08/18/1996 - 08/21/1996
Location: Ames, IA
INSPEC Accession Number: 5602486
Digital Object Identifier: 10.1109/MWSCAS.1996.594203
Posted online: 2002-08-06 20:52:07.0

Abstract

The neural network discussed in this paper is a self trained network for Large Memory Storage And Retrieval (LAMSTAR) of information. It employs features such as forgetting, interpolation, extrapolation and filtering, to enhance processing and memory efficiency. The network is based on SOM (Self-Organizing-Map) modules which are modified such that only a limited number of neurons per each module is processed at a given iteration. It employs arrays of link-weight vectors to channel information vertically and horizontally through the network. Direct feedback and up/down counting serve to set these link weights as is a higher-hierarchy performance evaluator element which also provides high level interrupts. Pseudo random modulation of the link weights prevents dogmatic network behavior. The input word is a coded vector X of sub-words (sub-vectors) xi. Each sub-word corresponds to a different category (feature, attribute) of the input word and is processed by a different SOM-type module. The authors have applied the network to simulated medical diagnosis. With adequate input coding, other applications are possible, such as scene recognition and speech recognition. Diagnosis is facilitated by the interpolation/extrapolation capabilities above

Index Terms:
Inspe

Controlled Indexing

decision support systems
maps
stochastic systems
extrapolation
interpolation
medical diagnostic computing
modules
self-organising feature

Non-controlled Indexing

LAMSTAR
Large Memory Storage And Retrieval
extrapolation
filtering
forgetting
high level interrupts
higher hierarchy performance evaluator element
input
coding
interpolation
link weight vectors
memory efficiency
neural network
processing efficiency
pseudo random
modulation
scene recognition
self trained network
self-organizing-map modules
simulated medical diagnosis

[speech recognition](#) [statistical decision tools](#) [up/down counting](#)

Author Keywords

Not Available

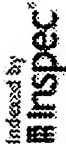
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